

ABSTRACT OF THE DISCLOSURE

An ozone production rate control method and a device using dual frequency in an apparatus employing a silent discharge technique are provided. The method includes the steps of: generating a control signal for controlling the ozone production rate; creating, responsive to the control signal, an adjusted signal having an ON/OFF time ratio adjusted depending on the control signal; producing, responsive to the adjusted signal, a low-frequency pulse and a high-frequency signal; and controlling an ON/OFF time ratio of the high-frequency signal. The device includes an ON/OFF time ratio adjusting unit, a low-frequency pulse oscillation circuit, a high-frequency oscillation circuit, and a multiplier.